

Attorney Docket No. 60020240-0022

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:) Group Art Unit: NYA
Robert Steven Puskas)
Application No. 10/718,194)
Filed: November 19, 2003)
For: PREPARATION OF DEFINED)
HIGHLY LABELED PROBES)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. section 1.97(b).

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Transmittal of Information Disclosure Statement
Page 2

The Commissioner is hereby authorized to credit overpayments or to charge deficiencies in connection with this filing to Deposit Account No. 19-3140. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Dated: 9/22, 2004

By: Kevin W. Buckley
Kevin W. Buckley
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APPLICATION DATA SHEET

Application Information

Application Type:: Non-Provisional
Subject Matter:: Utility
Title:: **PREPARATION OF DEFINED HIGHLY LABELED PROBES**
Attorney Docket Number:: 60020240-0022
Request for Early Publication?: No
Request for Non-Publication?: No
Small Entity?: Yes

Applicant Information

Applicant Authority Type: Inventor
Primary Citizenship Country: US
Status: Full Capacity
Given Name: Robert
Middle Name: Steven
Family Name: Puskas
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State or Province of Residence: MO
Country of Residence: US
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City of Mailing Address: Manchester
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Correspondence Information

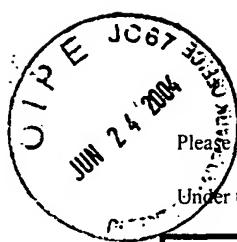
Correspondence Customer Number: 26263

Domestic Priority Information

Application:	Continuity Type:	Parent Application:	Parent Filing Date:
This application claims priority from	Provisional applications	60/427,232, 60/427,233 60/427,234	November 19, 2002 November 19, 2002 November 19, 2002

Assignee Information

Assignee Name: Singulex, Inc.



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PTO/SB/08A (08-00)

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/718,194
<i>(use as many sheets as necessary)</i>				Filing Date	November 19, 2003
				First Named Inventor	Robert S. Puskas
				Group Art Unit	NYA
				Examiner Name	NYA
Sheet	1	of	2	Attorney Docket Number	60020240-0022

U.S. PATENT DOCUMENTS						
Examiner Initials*	CiteNo. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
1.	2002/0182602	A1		Woo et al.	12-05-2002	
2.	2003/0088056			Bartron	05-08-2003	
3.	2003/0143591	A1		Davies et al.	07-31-2003	
4.	4,243,318			Stohr	01-06-1981	
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19.	5,807,677			Eigen, et al.	09-15-1998	
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21.	5,846,717			Brow, et al.	12-08-1998	
22.	5,853,989			Jeffreys, et al.	12-29-1998	
23.	5,919,623			Taylor	07-06-1999	

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25.	5,949,532			Schrof, et al.	09-07-1999	
26.	5,958,692			Cotton, R. et al.	09-28-1999	
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35.	6,613,508	B1		Ness et al.	09-02-2003	
36.	6,614,402			Dahlberg, et al.	09-02-2003	

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OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS

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	1.	"Image motion, tracking and registration," CMIS Research - Image Analysis, CSIRO Australia website: www.cmis.csiro.au/IAP/Motion .	
	2.	AGRAWAL, Protocols for Polynucleotides and Analogs, Humana Press (1994), Vol. 20, Totowa, NJ.	
	3.	ALANI, E., "The <i>Saccharomyces cerevisiae</i> Msh2 and Msh6 proteins form a complex that specifically binds to duplex oligonucleotides containing mismatched DNA base pairs," <i>Mol. Cell Biol.</i> , 1996, 16:5604-5615.	
	4.	AMBROSE et al., "Application of single molecule detection to DNA sequencing and sizing," <i>Ber Bunsenges Phys Chem</i> , 1993, 97:1535-1542.	
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	7.	BECKER, J., et al., "Three-Dimensional Photoramicmetric Particle-Tracking Velocimetry," <i>Preparing for the Future</i> , 1995, 5(3).	
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	9.	BHATTACHARYA et al., "The contrasting structures of mismatched DNA sequences containing looped-out bases (bulges) and multiple mismatches (bubbles)," <i>Nucleic Acids Res</i> , 1989, 17:6821-6840	
	10.	CASTRO and SHERA , "Single-molecule electrophoresis," <i>Anal Chem</i> , 1995, 67(18):3181-3186.	

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Sheet	2	of	9	Attorney Docket Number	60020240-0022

OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	CiteNo. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	11.	CASTRO and SHERA, "Single-molecule detection: applications to ultrasensitive biochemical analysis," <i>Appl Opt.</i> , 1995, 34(18):3218-3222.	
	12.	CASTRO and WILLIAMS, "Single-molecule detection of specific nucleic acid sequences in unamplified genomic DNA," <i>Anal Chem</i> , 1997, 69(19): 3915-3920.	
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	19.	DAVIS et al., "Rapid DNA sequencing based upon single molecule detection," <i>GATA</i> , 1991, 8(1):1-7.	

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Sheet	3	of	9	Attorney Docket Number	60020240-0022

OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	CiteNo. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	20.	DODGSON, J.B. and WELLS, R.D., "Action of single-stranded specific nucleases on model DNA heteroduplexes of defined size and sequence," Biochemistry, 1977, 16:2374-2379.	
	21.	DUCK, P., "Probe amplifier system based on chimeric cycling oligonucleotides," Biotechniques, 1990, 9:142-48.	
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	29.	GLAAB et al., "A novel assay for allelic discrimination that combines the fluorogenic 5' nuclease polymerase chain (TaqMan.RTM.) and mismatch amplification mutation assay," Mutat. Res., 1999, 430:1-12.	
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	37.	HUNG et al., "Optimization of spectroscopic and electrophoretic properties of energy transfer primers," Anal. Biochem., 1997, 252:77-88.	

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	38.	JETT et al., "High-speed DNA sequencing: an approach based upon fluorescence detection of single molecules," J Biomol Struct Dyn, 1989, 7(2):301-309.	
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	44.	LANDEGREN et al., "A ligase mediated gene detection technique," Science, 1988, 241:1077-1080.	
	45.	LARSEN et al., "Rapid DNA fingerprinting of pathogens by flow cytometry," Cytometry, 2000, 41:203-208.	
	46.	LeCAPTAIN et al., "Characterization of DNA-protein complexes by capillary electrophoresis-single molecule fluorescence correlation spectroscopy," Analyst, 2001, 126(8):1279-1284.	

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				First Named Inventor	Robert S. Puskas
				Group Art Unit	NYA
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